

ORIGINAL SIGNED 12-1-04

Ms. Laurie Allen
Acting Director, Office of Protected Resources
National Marine Fisheries Service - 13th Floor
1315 East-West Highway
Silver Spring, MD 20910

Dear Ms. Allen:

The Office of Pesticide Programs (OPP), U. S. Environmental Protection Agency (EPA), respectfully requests the initiation of Endangered Species Act (ESA) section 7(a)(2) consultation. This consultation request addresses 19 Evolutionarily Significant Units (ESUs) of Pacific salmon and steelhead that have been listed as Federally endangered or threatened and one pesticide active ingredient registered by EPA under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) for uses within the range of the listed ESUs. The pesticide active ingredient subject to this request is **Lindane** is an insecticide used to control various diseases on crops as a preplant seed treatment . **Lindane** is registered for barley, corn, oats, rye, sorghum, and wheat seed. It is also a prescription pharmaceutical component, regulated by the U. S. Food and Drug Administration. Our long-term intent is to make effects determinations and consult, as appropriate, relative to all listed species and locations. However, as per agreement with the National Marine Fisheries Service, this request is limited to Pacific salmon and steelhead for which NMFS has responsibility.

Lindane has high laboratory toxicity to fish and aquatic invertebrates. OPP levels of concern for direct effects have been exceeded for some ESUs. Additionally there may be effects through food source effects. We have determined that some uses of **Lindane** may affect eight salmon and steelhead ESUs, may affect but is not likely to adversely affect eleven ESUs, and will have no effect on seven ESUs. There will be no effect of **Lindane** residential use.

I am requesting your concurrence on our determination that use of **Lindane** is not likely to adversely affect eleven ESUs. I am requesting formal consultation relative to determination that **Lindane** may affect eight ESUs. The specific determinations for each ESU are summarized in a table at the end of the enclosed assessment.

The primary threats for the ESUs subject to this consultation have been the continued development of the western states for a variety of human-related activities and commercial , along with genetic swamping of certain ESUs by unrelated hatchery stocks. These activities have resulted in barriers to upstream and downstream migration, loss of available water, reduced water quality, physical modification of aquatic and riparian habitat. Excessive harvesting may also have played a role in their decline. Listing of these salmon and steelhead ESUs has sensitized the public to the need to provide protection. As a result, California has included them

in their "Interim Measures" county bulletins for protecting endangered and threatened species, thus providing protection from pesticide use. Washington state has formed a task force which is working with NMFS and others to address pesticide use in that state. Oregon has developed specific projects that involve pesticide use and salmon and steelhead. We are unaware of any specific measures in place in Idaho that address pesticides.

OPP is currently working towards a final endangered species program which is expected to become final in several months. We are developing county-specific bulletins to address pesticide use and endangered and threatened species. It is through such county bulletins, along with pesticide label references to these bulletins, that OPP intends as its primary means of implementing and enforcing its protections for salmon and steelhead and other listed species.

We look forward to working with NMFS to protect and help recover listed species. If you have any questions, please feel free to call me at (703) 305-5239, or your staff may contact Dr. Michael Patterson at 703-605-0649.

Enclosures

Sincerely,

Arthur-Jean B. Williams, Chief
Environmental Field Branch (7506C)

cc: Craig Johnson